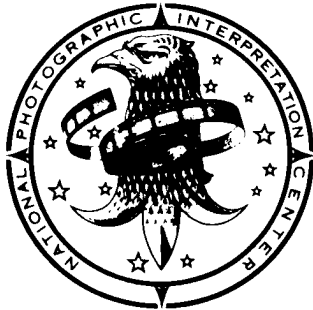


Top Secret



25X1



PHOTOGRAPHIC
INTERPRETATION
REPORT

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**NEW TYPE OF HARDENED
ANTENNA AND NEW ANTENNA
ARRAYS UNDER CONSTRUCTION
AT PALATKI UNIDENTIFIED COM-
MAND AND CONTROL TRANSMITTER
FACILITY/BUNKERED/HARD, USSR (S)**



Top Secret



25X1

25X1

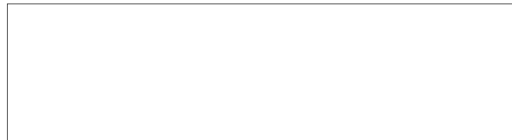
PIR-007/78

MARCH 1978

Copy **133**

Warning Notice
Sensitive Intelligence Sources and Methods Involved
(WNINTEL)

NATIONAL SECURITY INFORMATION
Unauthorized Disclosure Subject to Criminal Sanctions



25X1

DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
USIBONLY-	USIB Departments Only
ORCON-	Dissemination and Extraction of Information Controlled by Originator
REL . . .	This Information has been Authorized for Release to . . .

Top Secret RUFF



25X1

INTRODUCTION

1. (TSR) A new type of hardened antenna and two new, unidentified antenna arrays were observed under construction at Palatki Unidentified Command and Control Transmitter Facility/Bunkered/Hard [REDACTED] USSR, [REDACTED] The new type of hardened antenna was observed at transmitter site A and possibly at site C. The two new, unidentified antenna arrays are at transmitter site B.

25X1

DESCRIPTION

New Type of Hardened Antenna

2. (TSR) The new type of hardened antenna (Figure 1) was under construction at the end of a large, rectangular clearing and consists of probable antenna elements in a pattern unlike that of any hardened antenna previously observed. The elements are divided into five rows, each row containing groups of four elements. Each probable element is approximately 6.0 meters long (see Figure 2 for configuration and dimensions). The clearing for the antenna has been present [REDACTED] At that time the clearing appeared to be for a type D hardened antenna. Another clearing 201 by 89 meters at site A is either for the same new type of hardened antenna or a type D hardened antenna. Seven standard, type B hardened antennas were also under construction at transmitter site A.

25X1

3. (TSR) At transmitter site C, two large, rectangular clearings were observed, which are either for the same new type of hardened antennas or for type D hardened antennas. Six type B hardened antennas were also under construction at transmitter site C.

New Unidentified Antenna Arrays

4. (TSR) Two unidentified antenna arrays were under construction in the antenna field at transmitter site B. One array (Figure 3) consists of four 202-meter-high lattice masts in a 50-meter-square pattern, and the second consists of four 95-meter-high lattice masts in a 23-meter-square pattern. Each tower has horizontal booms attached to it but, because of image smear, no dimensions or spacings of the booms could be obtained. One of the two arrays is constructed on one side of the antenna field and the other is being constructed on the opposite side of the antenna field. The different sizes of the arrays suggest that these arrays are in a frequency diversity configuration.

25X1

Top Secret

Page Denied

Next 2 Page(s) In Document Denied

Top Secret RUFF

REFERENCES

25X1

MAPS OR CHARTS

SAC, US Air Target Chart, Series 200, Sheet 0167-8, scale 1:200,000

REQUIREMENT

Project 143490NG

25X1

Top Secret

25X1

Top Secret



Top Secret